

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

511.40488R01

I hereby declare that:

Each inventor's residence, mailing address and citizenship are stated below next to their name.

I believe the inventors named below to be the original and first inventor(s) of the subject matter which is described and claimed in patent number 6,524,717, granted February 25, 2003 and for which a reissue patent is sought on the invention entitled PREPREG, METAL-CLAD LAMINATE, AND PRINTED CIRCUIT BOARD OBTAINED FROM THESE,  
the specification of which

☒ is attached hereto.

Patent No. 6,524,717, issued from Application No. 09/913,726, filed August 17, 2001, the specification of which was filed as PCT International Application No. PCT/JP00/00891, filed February 17, 2000.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_  
and was amended on \_\_\_\_\_.

(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I/We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

40754/1999  
(Number)

Japan  
(Country)

19/February/1999  
(Day/Month/Year Filed)

☒ ☐  
Yes No

☐ I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b). Attached is form PTO/SB/02B (or equivalent) listing the foreign applications.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☒ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

1. By failing to describe, in the "SUMMARY OF THE INVENTION", that the resin composition of the prepreg contains, inter alia, an inorganic filler in an amount of 25% by volume "or more", based on the total volume of a solid component of a resin composition of the prepreg.

2. Patentees claimed less than they had a right to claim in the patent by failing to claim, in claim 1, that the resin composition of the prepreg contains, inter alia, an inorganic filler in an amount of 25% by volume "or more", based on the total volume of a solid component of a resin composition of the prepreg. This reissue is a broadening reissue, claim 1 being broadened to recite an amount of 25% by volume "or more", rather than an amount of 25% by volume.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)

511.40488R01

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. I hereby appoint the following attorney(s) and/or agent(s): Donald R. Antonelli, Reg. No. 20,296; Melvin Kraus, Reg. No. 22,466; William I. Solomon, Reg. No. 28,565; Gregory E. Montone, Reg. No. 28,141; Ronald J. Shore, Reg. No. 28,577; Donald E. Stout, Reg. No. 26,422; Alan E. Schiavelli, Reg. No. 32,087; Carl I. Brundidge, Reg. No. 29,621; Paul J. Skwierawski, Reg. No. 32,173; Hung H. Bui, Reg. No. 40,415; and Alfred A. Stadnicki, Reg. No. 30,226 my attorneys; all of ANTONELLI, TERRY, STOUT & KRAUS, LLP with offices located at 1300 North Seventeenth Street, Suite 1800, Arlington, Virginia 22209, telephone: (703) 312-6600, fax: (703) 312-6666; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

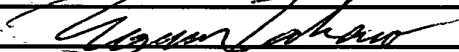
020457

<input type="checkbox"/> Firm or Individual Name	Antonelli, Terry, Stout & Kraus				
Address	1300 North Seventeenth Street				
Address	Suite 1800				
City	Arlington	State	VA	Zip	22209
Country	United States				
Telephone	703/312-6600	Fax	703/312-6666		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Nozomu TAKANO

Inventor's signature 

Date January 27, 2004

Residence Yuki-shi, Ibaraki, Japan-

Citizenship Japanese

Mailing Address 921-10 Yuki, Yuki-shi, Ibaraki 307-0001 Japan

Full name of second joint inventor (given name, family name)

Tomio FUKUDA

Inventor's signature 

Date January 27, 2004

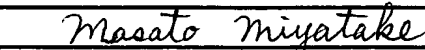
Residence Shimodate-shi, Ibaraki, Japan

Citizenship Japanese

Mailing Address 1388, Higuchi, Shimodate-shi, Ibaraki 308-0001 Japan

Full name of third joint inventor (given name, family name)

Masato MIYATAKE

Inventor's signature 

Date January 27, 2004

Residence Shimodate-shi, Ibaraki, Japan

Citizenship Japanese

Mailing Address Shisui-ryo, 240, Ozakata, Shimodate-shi, Ibaraki 308-0854 Japan

Full name of fourth inventor (given name, family name)

Masahisa OSE

Inventor's signature 

Date January 27, 2004

Residence Shimodate-shi, Ibaraki, Japan

Citizenship Japanese

Mailing Address Kawashima Terrace 301, 237, Ozakata, Shimodate-shi, Ibaraki 308-0854 Japan

PATENT

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

NOTE: The written assent of all assignees, if any, owning an undivided interest in the original patent must be included in the application for reissue. 37 C.F.R. § 1.172(a).

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Hitachi Chemical Co., Ltd.  
Name of Assignee

6,524,717                      February 25, 2003  
Patent Number                      Date Patent Issued

Prepreg, Metal-Clad Laminate, and Printed Circuit Board Obtained from These  
Title of Invention

I am an assignee owning

- ☒ an undivided interest to the above original patent.  
☐ a \_\_\_\_\_% (per cent) interest in the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Statement under 37 C.F.R. § 3.73(b) - Establishing Right of Assignee to Take Action."

Hitachi Chemical Co., Ltd.  
Name of assignee

Genichi Matsumoto                      Date: January 27, 2004  
Signature of person signing for assignee

Genichi Matsumoto, General Manager, Intellectual Property Office  
(type or print name and title of person signing for assignee)

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Hitachi Chemical Co., Ltd.

Application No./Patent No.: 6,524,717Filed/Issue Date: February 25, 2003Entitled: PREPREG, METAL-CLAD LAMINATE, AND PRINTED CIRCUIT BOARD OBTAINED FROM THESEHitachi Chemical Co., Ltd. \_\_\_\_\_, a  
(Name of Assignee)Corporation \_\_\_\_\_  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012218, Frame 0961, or for which a copy thereof is attached.

OR

B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: > \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[ ] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 27, 2004  
Date

Genichi Matsumoto  
Typed or printed name

\_\_\_\_\_  
Telephone number

Genichi Matsumoto  
Signature

General Manager, Intellectual Property Office  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.